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### **Abstract of the Disclosure**

The present invention is directed to a method for cleaning cadaveric donor bone to produce bone grafts suitable for transplantation into a human, as well as the bone grafts produced thereby. The present method involves removing bone marrow potentially containing bacteria, virus or fungi, from the donor bone by sonicating the bone in a solvent containing one or more detergents to produce bone grafts essentially free from bone marrow, as well as bone grafts essentially free from any detectable bacterial, fungal, or viral contamination.